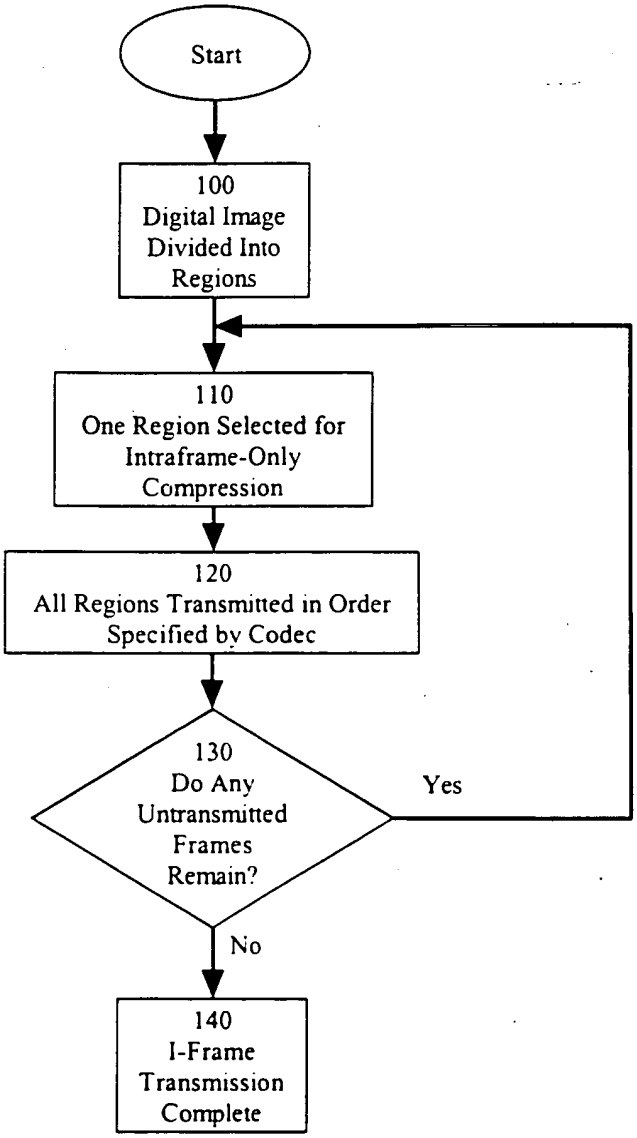
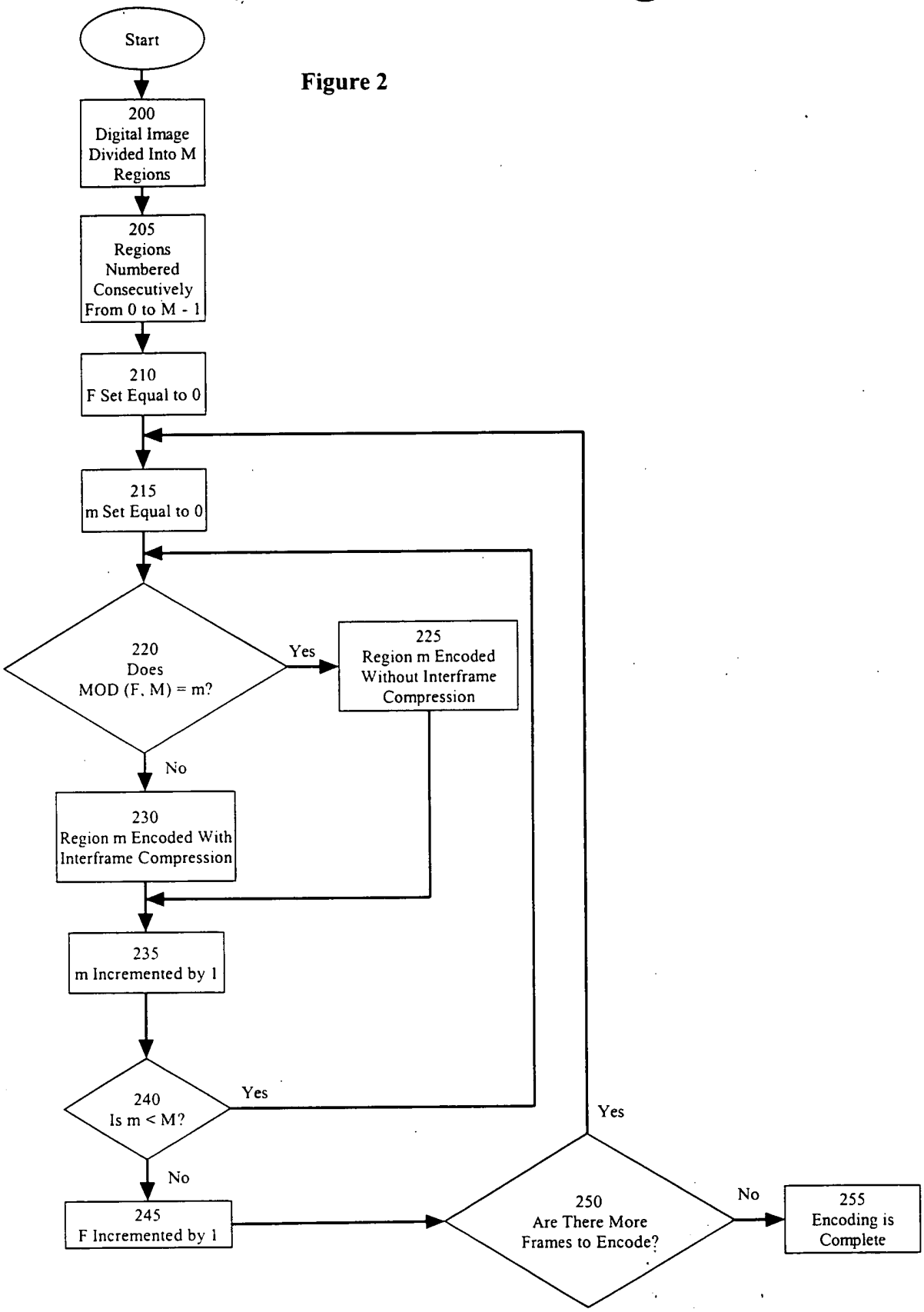

Start
100
Digital Image
Divided Into
Regions
110
One Region Selected for
Intraframe-Only
Compression
120
All Regions Transmitted in Order
Specified by Codec
130
Do Any
Untransmitted
Frames
Remain?
Yes
No
140
I-Frame
Transmission
Complete

Figure 1

Figure 2


Start
200
Digital Image
Divided Into M
Regions
205
Regions
Numbered
Consecutively
From 0 to M - 1
210
F Set Equal to 0
215
m Set Equal to 0
220
Does
MOD (F, M) = m?
Yes
225
Region m Encoded
Without Interframe
Compression
No
230
Region m Encoded With
Interframe Compression
235
m Incremented by 1
240
Is m < M?
Yes
No
245
F Incremented by 1
250
Are There More
Frames to Encode?
Yes
No
255
Encoding is
Complete

09786565-040302

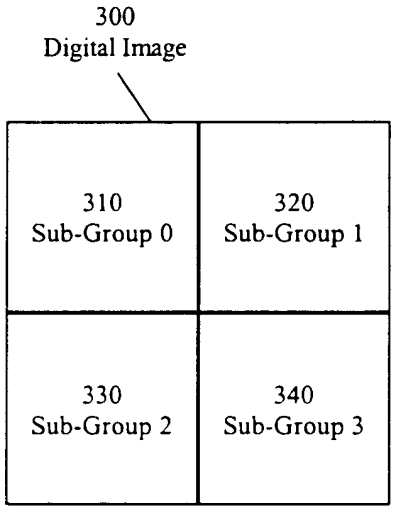


Figure 3

09/760,656 - 042503

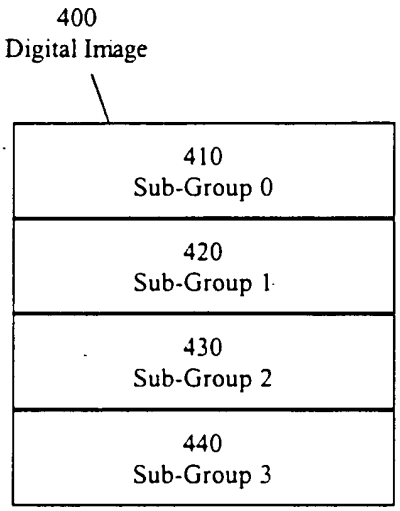


Figure 4

500
Digital Image

501 Region 1 Pixel Group 0	502 Region 2 Pixel Group 1	503 Region 3 Pixel Group 2	504 Region 4 Pixel Group 3	505 Region 1 Pixel Group 4	506 Region 2 Pixel Group 5
507 Region 3 Pixel Group 6	508 Region 4 Pixel Group 7	509 Region 1 Pixel Group 8	510 Region 2 Pixel Group 9	511 Region 3 Pixel Group 10	512 Region 4 Pixel Group 11
513 Region 1 Pixel Group 12	514 Region 2 Pixel Group 13	515 Region 3 Pixel Group 14	516 Region 4 Pixel Group 15	517 Region 1 Pixel Group 16	518 Region 2 Pixel Group 17
519 Region 3 Pixel Group 18	520 Region 4 Pixel Group 19	521 Region 1 Pixel Group 20	522 Region 2 Pixel Group 21	523 Region 3 Pixel Group 22	524 Region 4 Pixel Group 23

Figure 5

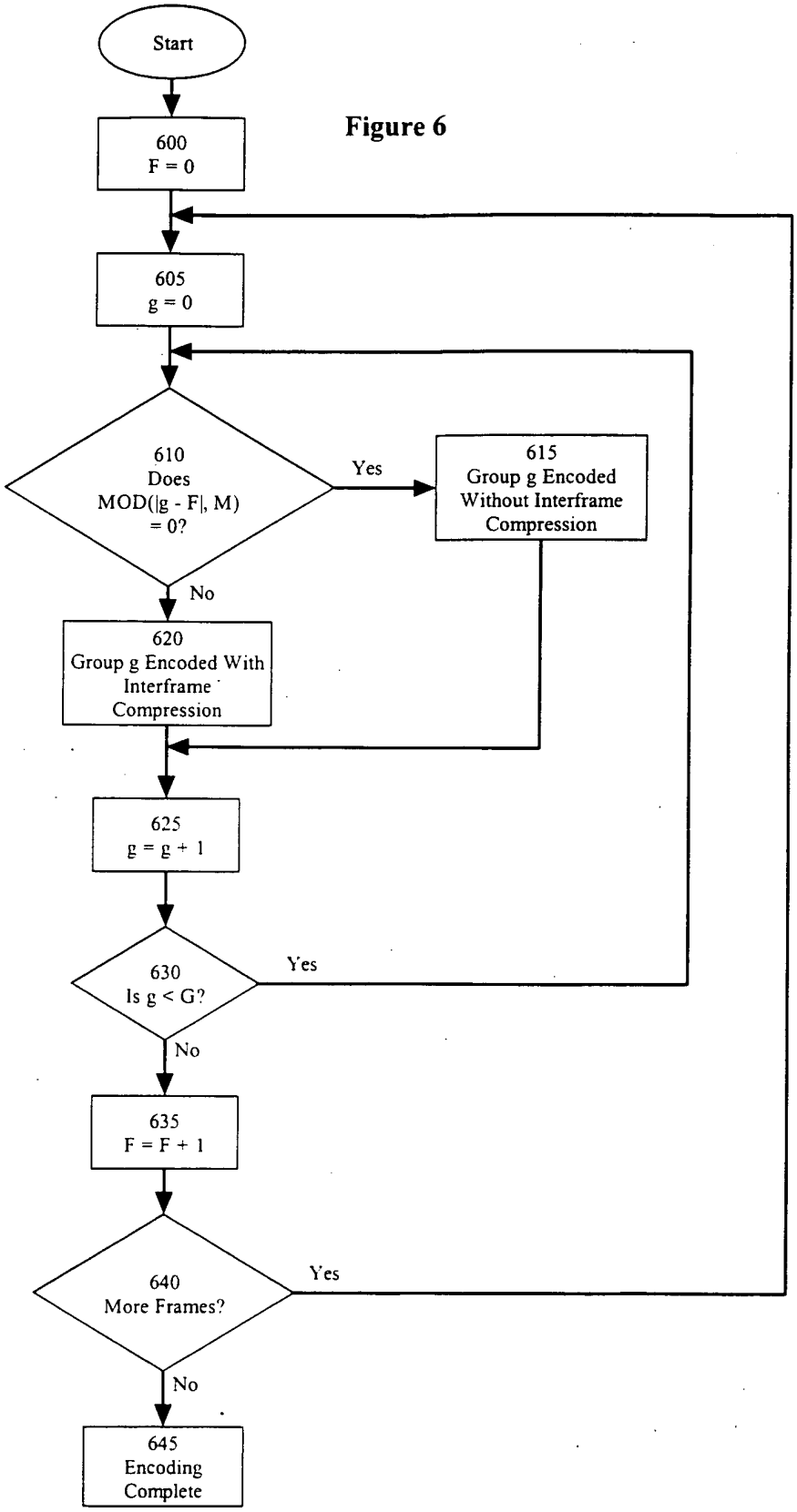

Start
600
F = 0
605
g = 0
610
Does
MOD(|g - F|, M)
= 0?
Yes
615
Group g Encoded
Without Interframe
Compression
No
620
Group g Encoded With
Interframe
Compression
625
g = g + 1
630
Is g < G?
Yes
No
635
F = F + 1
640
More Frames?
Yes
No
645
Encoding
Complete

Figure 6

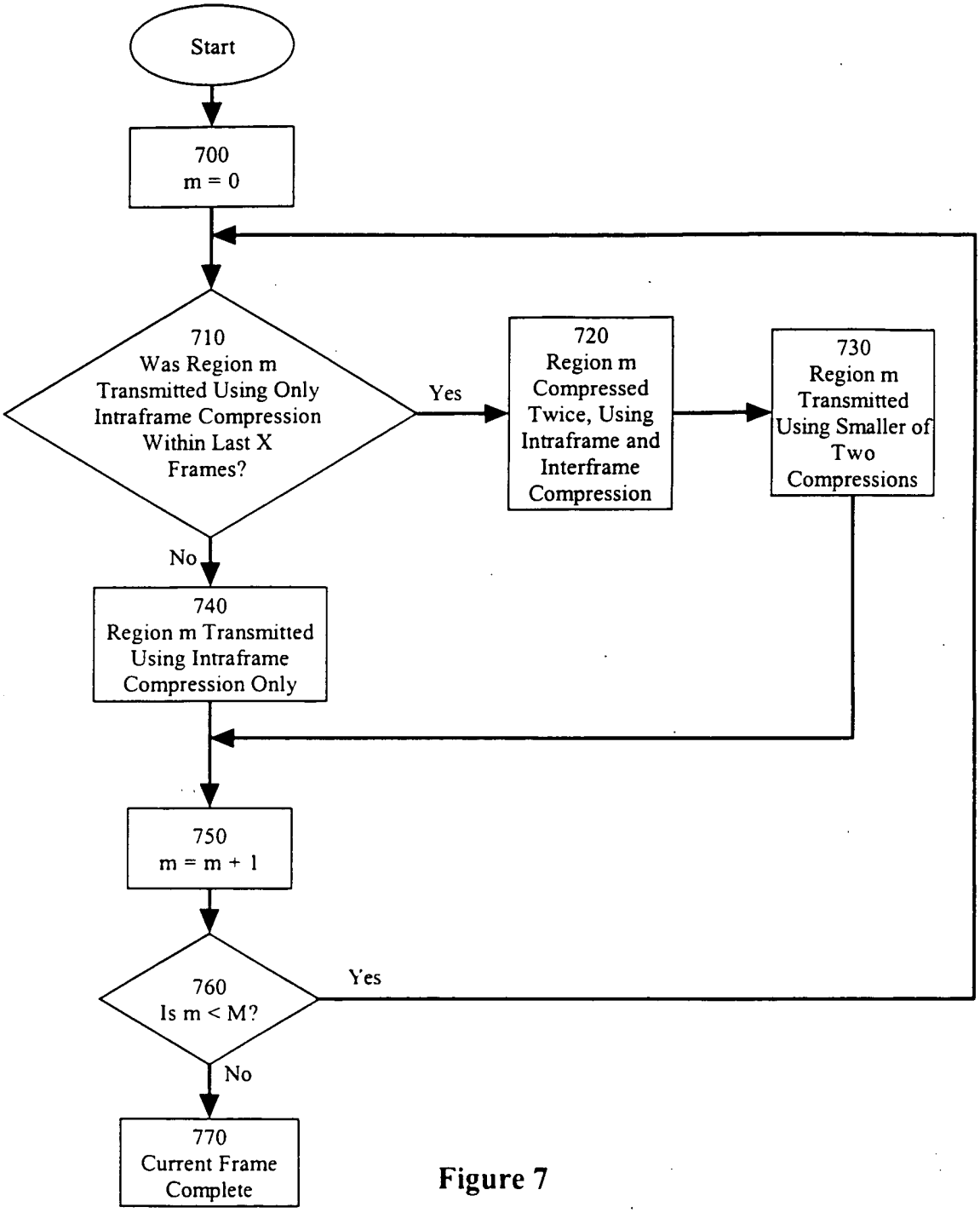

Start
700
m = 0
710
Was Region m Transmitted Using Only Intraframe Compression Within Last X Frames?
Yes
720
Region m Compressed Twice, Using Intraframe and Interframe Compression
730
Region m Transmitted Using Smaller of Two Compressions
No
740
Region m Transmitted Using Intraframe Compression Only
750
m = m + 1
760
Is m < M?
Yes
No
770
Current Frame Complete

Figure 7